If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

8.13.2 C-A Procedure for Radioactive Material Control

Text Pages 1 through 3

Attachments

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: ***Signature on File*** _____
Collider-Accelerator Department Chairman — Date

P. Cirnigliaro

8.13.2 C-A Procedure for Radioactive Material Control

1. Purpose

To provide guidance in the identification, transport, and use of, radioactive equipment and shielding.

1.1 Definitions:

Activation Areas: examples are AGS Ring, Primary Caves, and selected secondary beam lines. The Radiation Safety Committee designates these areas.

Radioactive Materials Areas: examples are Buildings 912, 922, 923, the Steel Yard, and the Block Yard. These areas are to be designated by the C-A Radiological Control Coordinators.

2. Responsibilities

It is the responsibility of any individual removing C-A equipment to have these items surveyed.

2.1 It is the responsibility of the supervisor to ensure that any equipment which is activated, and is located in his area, or worked upon, or moved by individuals reporting to him, activated material is to be properly surveyed and labeled by RCT's.

2.2 Health Physics, Radiological Control Technicians (RCT's) are responsible for providing routine surveys of Radioactive Materials Areas. Health Physics shall perform the monitoring and labeling of items.

3. Prerequisites

3.1 Training shall include, at a minimum, Radiation Worker I Training.

3.2 Monitoring at Radioactive Materials Areas shall be performed by RCT's.

3.3 When a large activated item is to be broken down into component parts, the Radioactive Materials Area where the item is broken down, must be monitored and labeled by RCT's. Rope, stanchions, and signs, are appropriate to control a temporary area of this type.

3.4 Confinement requirements for Radioactive Materials Areas are established by the use of signs, shielding, and fences, in order to properly contain and work with activated equipment or shield blocks. The criteria for designations of Radioactive Materials Areas are found in FS-SOP 3010, "Radiological Posting Requirements".

4. Precautions

Individuals who remove materials from a Radioactive Area shall be appropriately trained radiation workers.

5. Procedures

5.1 Materials moving from Radioactive Materials Areas to another Radioactive Materials Area, or to a low background area for subsequent monitoring by RCTs, shall be in control of the person making the transfer at all times, or must be monitored and labeled as per attachment 8.1, C-A-OPM-ATT 8.13.2.b, "Activated Materials Rules".

5.2 Materials moving from Radioactive Materials Areas, or any area except another Radioactive Materials Area, shall be monitored and labeled as per attachment 8.1, C-A-OPM-ATT 8.13.2.b, by a RCT.

5.3 Materials moving from Radioactive Materials Areas to the radioactive waste stream, shall have an indication of the radiation level as to reduce the dose of those persons who handle radioactive waste. All material removed to the waste stream shall comply with C-A-OPM 8.20.2, "Radioactive Waste Disposal".

6. Documentation

None

7. References

7.1 C-A-OPM 8.20.2 "Radioactive Waste Disposal".

8. Attachments

8.1 C-A-OPM-ATT 8.13.2.b, "Activated Material Rules".